

Name:

## 2-A Graphs

1. Identify an appropriate type of graph for each of the following research questions.

- a) Can football players bench more weight the heavier they are?      b) How much time per week do students use their phones?  
c) Do people think faster in the morning or in the afternoon?      d) Do college students prefer taking morning or afternoon classes?

2. Sketch a graph for each of the following data sets.

- a) 31% of boys at McHatton High do a fall sport.

- b) Josh asks nine adults their annual salary (in thousands) and how happy they say they feel on a scale of 1 to 10.

salary	happiness
\$45	8
\$33	7
\$98	6
\$24	3
\$67	9
\$41	5
\$55	9
\$39	2
\$81	7

## 2-B Histograms

3. The scores on the last PreCalculus test were 40, 50, 53, 58, 61, 61, 61, 61, 61, 61, 68, 69, 70, 70, 74, 74, 74, 76, 77, 78, 78, 80, 80, 80, 81, 82, 82, 82, 82, 84, 84, 85, 86, 86, 88, 88, 90, 90, 90, 90, 90, 93, 93, 94, 94, 94, 96, 96, 96, 96, 97, 97, 100, 101, 101, 101, 102, and 108.

- a) Sketch a relative frequency histogram for the data.

- b) How would a frequency histogram be different than the relative frequency histogram above?

4. Identify the shape of the following distributions. It may help to sketch a histogram first.

- a) 2, 2, 3, 3, 4, 4, 5, 5      b) 4, 4, 5, 8, 9, 10, 12, 31